Hotplate HP-150
Precise soft & hard baking
The Hotplate HP-150 was developed for typical soft bake and hard bake processes in lithography, in MEMS and similar applications. The temperature range is designed for up to 250°C by default. The set temperature and the temperature profile have narrow margins, meaning that a high coating quality can be achieved. The HP series is convincing due to its high level of uniformity and the high-precision process repeatability. It can be used for substrates with a diameter of up to 150mm and thicknesses of 5mm at maximum.

The hotplate is covered with safety glass, which makes cleaning easier. Due to the high-quality and robust design and easy handling, SAWATEC hotplates are preferentially used for laboratories, R&D, pilot projects and institutes.

The high-precision, good value instruments are available both as portable bench-top and bench-mounted units.

**FEATURES (BASIC CONFIGURATION)**
- Temperature control with digital target and actual value display
- Automatic temperature limit switch, no overheating
- Hotplate with safety glass, easy cleaning
- Easy levelling of the hotplate, prevents discharge of photoresist
- Manual substrate fixation via vacuum
- Manual loading and unloading of the substrates

**PERFORMANCE DATA**
- Temperature range: ambient temperature up to 250°C
- Temperature accuracy: ±1°C at 100°C

**ADDITIONAL FUNCTIONS (OPTIONS)**
- N2 flushing manually controlled, no oxidation
INTERACTION OF THE PROCESS PARAMETERS

To ensure that a high level of process reliability can be reached, the interaction of our products with the defined process parameters, the selected substrate and the photoresist must be perfectly co-ordinated.

Furthermore, the process environment exerts a great influence on the process quality, therefore the ambient temperature, the exhaust and supply air (laminar flow) and all technical connections (N2, compressed air...) must be designed optimally.

**DESIGN AND DIMENSIONS**

<table>
<thead>
<tr>
<th>Bench-top unit HP-150-BT</th>
<th>Bench-mounted unit HP-150-BM</th>
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<tbody>
<tr>
<td>Compact, space-saving design</td>
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<tr>
<td>Hotplate: 164 x 164 mm, anodised aluminium</td>
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<tr>
<td>Housing: anodised aluminium</td>
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<tr>
<td>Cover: manually operated, anodised aluminium</td>
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<tr>
<td>Integrated fan</td>
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<td>Dimensions: 300 x 250 x 120mm (L x B x H)</td>
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<tr>
<td>Weight: ca. 7kg</td>
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<tr>
<td>Mounting module: 360 x 330 x 90mm (L x B x H)</td>
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<tr>
<td>Mounting panel: 200 x 90 x 98.5mm (L x B x H)</td>
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<tr>
<td>Weight: ca. 7kg</td>
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REQUIRED MEDIA

- 230 VAC 50/60Hz 10A (350W)
- Technical vacuum, tube Ø6/4mm (-0.8bar)
- BT air outlet for exhaust fan
- BM exhaust connector

If you would like a personal consultation or have a specific request, please do not hesitate to call us. Our technical experts will be pleased to help you.

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